FBCB2 Digital Training COL Tim Cherry TRADOC System Manager - FBCB2

Bridade and Belon

XI Battle Commé



FBCB2/FBCB2-BFT Update

Actions

- OT/DT FBCB2-BFT
- Fielding Plan
- Update on FBCB2 \ PDA Handheld Effort
- Update Army-USMC Interoperability Efforts
- Software Version 3.5.5 Capabilities
- Database build for KLO distribution
- ABCS 6.4 Strategy
- L-Band Security Progress Report



FBCB2/BFT DT/OT

OT Requirements Met during OIF. OT/DT a FBCB2-BFT technical test to Achieve FRP status EVENTS

- 25-29 January Preliminary Dry Runs
- 2-6 February Connectivity, V&V, STORM Instrumentation,
- 9-13 February Dry Run/Pilot
- 16-27 February Record Test
- Full Rate Production Decision Summer 04



FBCB2-BFT & ABCS Key Leader Option (KLO)

New Fielding Plan for FBCB2-BFT and ABCs includes:

- On-Going Fielding to meet OIF 2 requirements
- OIF like capability for the Entire Force by FY 05 to include15 eSBs.
- Complete KLO capability fielded to the Army by FY 07, to include al eSBs















FBCB2-Light Handheld FBCB2



- Key features:
 - FBCB2-based software
 - Blue/Red/Georef SA
 - Embedded L-band satellite transceiver
 - 2-Way C2 Message set
 - Embedded GPS
 - CADRG maps, imagery & DTED
- 100 Prototypes available this summer



EXAMPLE 1 FORCE FORCE Commanders Digital Assistant

MOA between PM/TSM Soldier and PM/TSM FBCB2 to:

- Create Joint Handheld System
 - PM FBCB2 responsible for FBCB2 software solution
 - PM Soldier responsible for hardware solution
- 7000 Handheld Systems
 - 1242 Tablets
 - 5758 PDA type hand held
- TRADOC
 - 59 Hand Held Systems (20 tablets / 39 PDAs)
 - Armor Center- Infantry Center/ MANCEN
 - Fielding FY 05- FY 06- FY 07
 - Determine objective TRADOC Handheld requirements

Information as Combat Power FORCE

ARMY HANDHELD DISTRIBUTION

Unit	Tablet	PDA	Total Hand Held	Remarks
l Corps	0	48	48	
II Corps	0	228	228	4 EN Bn/15 MP Co
V Corps	0	84	84	
XVIII AB Corps	0	66	66	
1 ID	37	189	226	
1AD	37	189	226	
1CD	37	189	226	
2 ID (-)	43	169	212	2 Bde Div
3 ID	53	199	252	5 Mech/4 AR Bn
3 ACR	18	45	63	
4 ID	37	189	226	
10 ID	66	160	226	2 Bde Div
25 ID (-)	35	111	146	1 Bde Div
82 Abn Div	101	314	415	
101 AASLT Div	101	314	415	
173 ABN Bde	20	60	80	
1-501 PRB	9	30	39	
SBCTs	190	420	610	122 X 5
2 CR	32	54	86	
SOF	30	1464	1494	
TRADOC	20	42	62	
Light eSB	231	763	994	142 X 7
30 eSB	20	65	85	
AR eSB	36	135	171	57 X 3
Mech eSb	60	189	249	83 X 3
ACR eSB	26	45		
Total	1242	5758	7000	



ARMY- USMC Interoperability

- USMC decision to transition to FBCB2-BFT at Brigade and Below as their platform system
- Army decision to transition to C2PC COP/Maneuver System at Brigade and Above
- Target FY06-FY07
- Synched with JC2 & JCW efforts



FBCB2 Software Version 3.5.5

Capabilities and Implementation

- Global URN Look-Up tables vs Flat data base V 3.5.4
- 11,200 Database URN Roles
- Shared SA between EPLRS and BFT Units (Available for OIF2)
- T&P Handbooks for 3.5.5 available for OIF 2





Data Base Build

- Data base is being built for entire KLO distribution
- TDA Units to be included in the Data Base
 - TRADOC Institutions
 - CTCs
- NEED INPUT for Role Names (Notional Division or TDA Unit Designations?)
- Target Dec 04

ABCS 6.4 Strategy "Good Enough"

Good Enough" ABCS Version 6.4 goal is to establish good enough interoperability between all ABCS Systems; to include good enough exchange capability to Meet the 7+1 Commander's Needs

- 7+1 Commander's Needs :
 - Friendly Locations
 - Current Enemy Situation
 - Running Estimate
 - Graphic Control Measures (GCMs/FSCM Capability, Over
 - Commander's SITREPS
 - FRAGOs
 - Joint and Coalition Interoperability

Information as Combat Pol

ABCS 6.4 Operational Enhancements



 Automates Processes nontraditional threat SITREP info reporting with sensor-based CL/A/18N23 Stores, retrieves, L/A/1EN231 Platform /0/189231 displays *multi-***Combat Status** media attachments Enhances SA with automated Increases language Combat Engagement translation **Reports and alerts** Enhances mobility upon receipt of analysis, terrain critical info awareness and Automates reasoning tools **OPORD** (elevation profiles, operations generation line of sight analysis) Multiple, user defined levels Enables of aggregation Generates technical & tactical commander's view to display firing solutions for latest of minefield and icons within engineer data echelons the warfio 17





"Information as <u>Combat Power"</u>

Combat Power Display



1. 18 2

FBCB2 v 6.4 Initiatives

FY04 Release



Operational Damaged

Current

Damaged



Current



Destroyed



Operational

Current

Destroyed



FBCB2-BFT Security Measures

- Current L-Band currently in use is Type 2 Encryption - Can not pass Secret over Current L-Band Network
- MT2011 will become a COMSEC item
 - MT2011 (Satellite transceiver) will receive have COMSEC keying capability
 - Will require special/frequent re-keying
 - Will require special handling
- Type 1 Encryption for FBCB2-BFT will be available by FY05



QUESTIONS?

.nformat

FBCB2/BFT Fielding Status - Active Divisions



FBCB2/BFT Fielding Status - 3ACR, SBCTs, 173d, 1-

FOR

501st





FORCE FBCB2/BFT Fielding Status - Corps, USASOC, TRADOC, TDA



CURRENTLY FIELDED

KLO (OIF)

Developing the ABCS 6.4 Solution

Warfighter Perspective & User Feedback

> 69 "Good Enough" Operational Requirements

> > TSM & PM technical feasibility review



866 Technical Supporting Reqts derived & prioritized



Running Estima

ABCS 6.4 software delivery to system test in April '04

Field ABCS 6.4

months...

across force within 48